

Received

JAN 27 2012

Form Approved 1/14/99  
OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER:

Wise Corr Unit 18

VA0023477

DEQ-SWRO

## BASIC APPLICATION INFORMATION

## PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS:

All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet.

## A.1. Facility Information.

Facility name

Wise Corr. Unit 18

Mailing Address

P.O. Box 1198  
Coeburn, VA 24230

Contact person

Jim Stidham

Title

Operator

Telephone number

276-679-9204

Facility Address

Hwy. 72 South

(not P.O. Box)

Coeburn, VA 24230

## A.2. Applicant Information. If the applicant is different from the above, provide the following:

Applicant name

ESU, MARION Corr. Treatment Center

Mailing Address

110 Wright St  
MARION, VA 24354

Contact person

Randall Hubble

Title

Envir. Services Manager

Telephone number

276-780-2152

Is the applicant the owner or operator (or both) of the treatment works?

☒ owner☒ operator

Indicate whether correspondence regarding this permit should be directed to the facility or the applicant.

☐ facility☒ applicant

## A.3. Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits).

NPDES

VA 0023477

PSD

UIC

Other

RCRA

Other

## A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.).

Name

Wise Corr. Unit 18

Population Served

135

Type of Collection System

Separate (separate)

Ownership

VA Dept. of Corrections

Total population served

135

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## A.5. Indian Country.

- a. Is the treatment works located in Indian Country?

☐ Yes ☒ No

- b. Does the treatment works discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flows through) Indian Country?

☐ Yes ☒ No

## A.6. Flow. Indicate the design flow rate of the treatment plant (i.e., the wastewater flow rate that the plant was built to handle). Also provide the average daily flow rate and maximum daily flow rate for each of the last three years. Each year's data must be based on a 12-month time period with the 12th month of "this year" occurring no more than three months prior to this application submittal.

- a. Design flow rate
- 0.03
- mgd

	Two Years Ago	Last Year	This Year	
b. Annual average daily flow rate	<u>0.013</u>	<u>0.012</u>	<u>0.013</u>	mgd
c. Maximum daily flow rate	<u>0.016</u>	<u>0.016</u>	<u>0.017</u>	mgd

## A.7. Collection System. Indicate the type(s) of collection system(s) used by the treatment plant. Check all that apply. Also estimate the percent contribution (by miles) of each.

☐ Separate sanitary sewer☐ Combined storm and sanitary sewer100 %  
%  
%

## A.8. Discharges and Other Disposal Methods.

- a. Does the treatment works discharge effluent to waters of the U.S.?

☒ Yes ☐ No

If yes, list how many of each of the following types of discharge points the treatment works uses:

- i. Discharges of treated effluent

1

- ii. Discharges of untreated or partially treated effluent

N/A

- iii. Combined sewer overflow points

N/A

- iv. Constructed emergency overflows (prior to the headworks)

N/A

- v. Other \_\_\_\_\_

N/A

- b. Does the treatment works discharge effluent to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the U.S.?

☐ Yes ☒ No

If yes, provide the following for each surface impoundment:

Location: \_\_\_\_\_

Annual average daily volume discharged to surface impoundment(s) \_\_\_\_\_ mgd

Is discharge \_\_\_\_\_ continuous or \_\_\_\_\_ intermittent?

- c. Does the treatment works land-apply treated wastewater?

☐ Yes ☒ No

If yes, provide the following for each land application site:

Location: \_\_\_\_\_

Number of acres: \_\_\_\_\_

Annual average daily volume applied to site: \_\_\_\_\_ Mgd

Is land application \_\_\_\_\_ continuous or \_\_\_\_\_ intermittent?

- d. Does the treatment works discharge or transport treated or untreated wastewater to another treatment works?

☐ Yes ☒ No

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If yes, describe the mean(s) by which the wastewater from the treatment works is discharged or transported to the other treatment works (e.g., tank truck, pipe).

If transport is by a party other than the applicant, provide:

Transporter name:

Mailing Address:

Contact person:

Title:

Telephone number:

For each treatment works that receives this discharge, provide the following:

Name:

Mailing Address:

Contact person:

Title:

Telephone number:

If known, provide the NPDES permit number of the treatment works that receives this discharge.

Provide the average daily flow rate from the treatment works into the receiving facility.

mgd

- e. Does the treatment works discharge or dispose of its wastewater in a manner not included in A.8.a through A.8.d above (e.g., underground percolation, well injection)?

Yes

No

If yes, provide the following for each disposal method:

Description of method (including location and size of site(s) if applicable):

Annual daily volume disposed of by this method:

Is disposal through this method

continuous or

intermittent?

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## WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

## A.9. Description of Outfall.

a. Outfall number

001

b. Location

Coeburn

24230

(City or town, if applicable)

(Zip Code)

Wise

VA

(County)

(State)

N 36° 5' 2.5"

W 82° 22.5"

(Latitude)

(Longitude)

c. Distance from shore (if applicable)

N/A

ft.

d. Depth below surface (if applicable)

N/A

ft.

e. Average daily flow rate

0.013

mgd

f. Does this outfall have either an intermittent or a periodic discharge?

Yes

No

(go to A.9.g.)

If yes, provide the following information:

Number of times per year discharge occurs:

Average duration of each discharge:

Average flow per discharge:

mgd

Months in which discharge occurs:

g. Is outfall equipped with a diffuser?

Yes

No

## A.10. Description of Receiving Waters.

a. Name of receiving water

V.T. to Bad Branch of Guest River

b. Name of watershed (if known)

Not Known

United States Soil Conservation Service 14-digit watershed code (if known):

Not Known

c. Name of State Management/River Basin (if known):

Tenn-Big Sandy River

United States Geological Survey 8-digit hydrologic cataloging unit code (if known):

Not Known

d. Critical low flow of receiving stream (if applicable):

acute

cfs

chronic

cfs

e. Total hardness of receiving stream at critical low flow (if applicable):

N/A

mg/l of CaCO<sub>3</sub>

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## A.11. Description of Treatment.

- a. What levels of treatment are provided? Check all that apply.

☒ Primary ☐ Secondary  
☐ Advanced ☐ Other. Describe: \_\_\_\_\_

- b. Indicate the following removal rates (as applicable):

Design BOD<sub>5</sub> removal or Design CBOD<sub>5</sub> removal 95 %  
 Design SS removal 90 %  
 Design P removal N/A %  
 Design N removal 95 %  
 Other N/A %

- c. What type of disinfection is used for the effluent from this outfall? If disinfection varies by season, please describe.

Sodium Hypochlorite

If disinfection is by chlorination, is dechlorination used for this outfall?

☒ Yes ☐ No

- d. Does the treatment plant have post aeration?

☐ Yes ☒ No

A.12. Effluent Testing Information. All Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three samples and must be no more than four and one-half years apart.

Outfall number:

001

PARAMETER	MAXIMUM DAILY VALUE		AVERAGE DAILY VALUE		
	Value	Units	Value	Units	Number of Samples
pH (Minimum)	7.0	S.U.			
pH (Maximum)	7.5	S.U.			
Flow Rate	0.017	mgd	0.014	mgd	12
Temperature (Winter)	17°	°C	16	°C	12
Temperature (Summer)	23°	°C	22°	°C	12

\* For pH please report a minimum and a maximum daily value

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		

## CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.

BIOCHEMICAL OXYGEN DEMAND (Report one)	BOD-5	7.6	mg/L	3	mg/L	12		
	CBOD-5							
FECAL COLIFORM		N/A	N/A	N/A	N/A	N/A		
TOTAL SUSPENDED SOLIDS (TSS)		28	mg/L	8.5	mg/L	12		

END OF PART A.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

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## BASIC APPLICATION INFORMATION

### PART B. ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR EQUAL TO 0.1 MGD (100,000 gallons per day).

All applicants with a design flow rate  $\geq 0.1$  mgd must answer questions B.1 through B.6. All others go to Part C (Certification).

B.1. Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration.

0.014 gpd

N/A

Briefly explain any steps underway or planned to minimize inflow and infiltration.

B.2. Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.)

- The area surrounding the treatment plant, including all unit processes.
- The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable.
- Each well where wastewater from the treatment plant is injected underground.
- Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant.
- Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed.
- If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.

B.3. Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g., chlorination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between treatment units. Include a brief narrative description of the diagram.

B.4. Operation/Maintenance Performed by Contractor(s).

Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? ☐ Yes ☐ No

If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary).

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Responsibilities of Contractor: \_\_\_\_\_

B.5. Scheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to question B.6.)

- List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.

- Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.

☐ Yes ☐ No

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- c. If the answer to B.5.b is "Yes," briefly describe, including new maximum daily inflow rate (if applicable).

- d. Provide dates imposed by any compliance schedule or any actual dates of completion for the implementation steps listed below, as applicable. For improvements planned independently of local, State, or Federal agencies, indicate planned or actual completion dates, as applicable. Indicate dates as accurately as possible.

Implementation Stage	Schedule	Actual Completion
	MM / DD / YYYY	MM / DD / YYYY
- Begin construction	___/___/___	___/___/___
- End construction	___/___/___	___/___/___
- Begin discharge	___/___/___	___/___/___
- Attain operational level	___/___/___	___/___/___

N/A

- e. Have appropriate permits/clearances concerning other Federal/State requirements been obtained? ☐ Yes ☐ No

Describe briefly: \_\_\_\_\_

#### B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY).

Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall Number: \_\_\_\_\_

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		
CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.							
AMMONIA (as N)							
CHLORINE (TOTAL RESIDUAL, TRC)							
DISSOLVED OXYGEN							
TOTAL KJELDAHL NITROGEN (TKN)							
NITRATE PLUS NITRITE NITROGEN							
OIL and GREASE							
PHOSPHORUS (Total)							
TOTAL DISSOLVED SOLIDS (TDS)							
OTHER							

END OF PART B.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

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## BASIC APPLICATION INFORMATION

## PART C. CERTIFICATION

All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted.

Indicate which parts of Form 2A you have completed and are submitting:

☒ Basic Application Information packet

Supplemental Application Information packet:

☐ Part D (Expanded Effluent Testing Data)☐ Part E (Toxicity Testing: Biomonitoring Data)☐ Part F (Industrial User Discharges and RCRA/CERCLA Wastes)☐ Part G (Combined Sewer Systems)

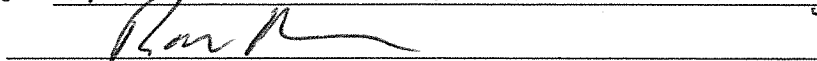
## ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICATION.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title

Randall Hubble - Envir. Service Manager

Signature



Telephone number

276-780-2152

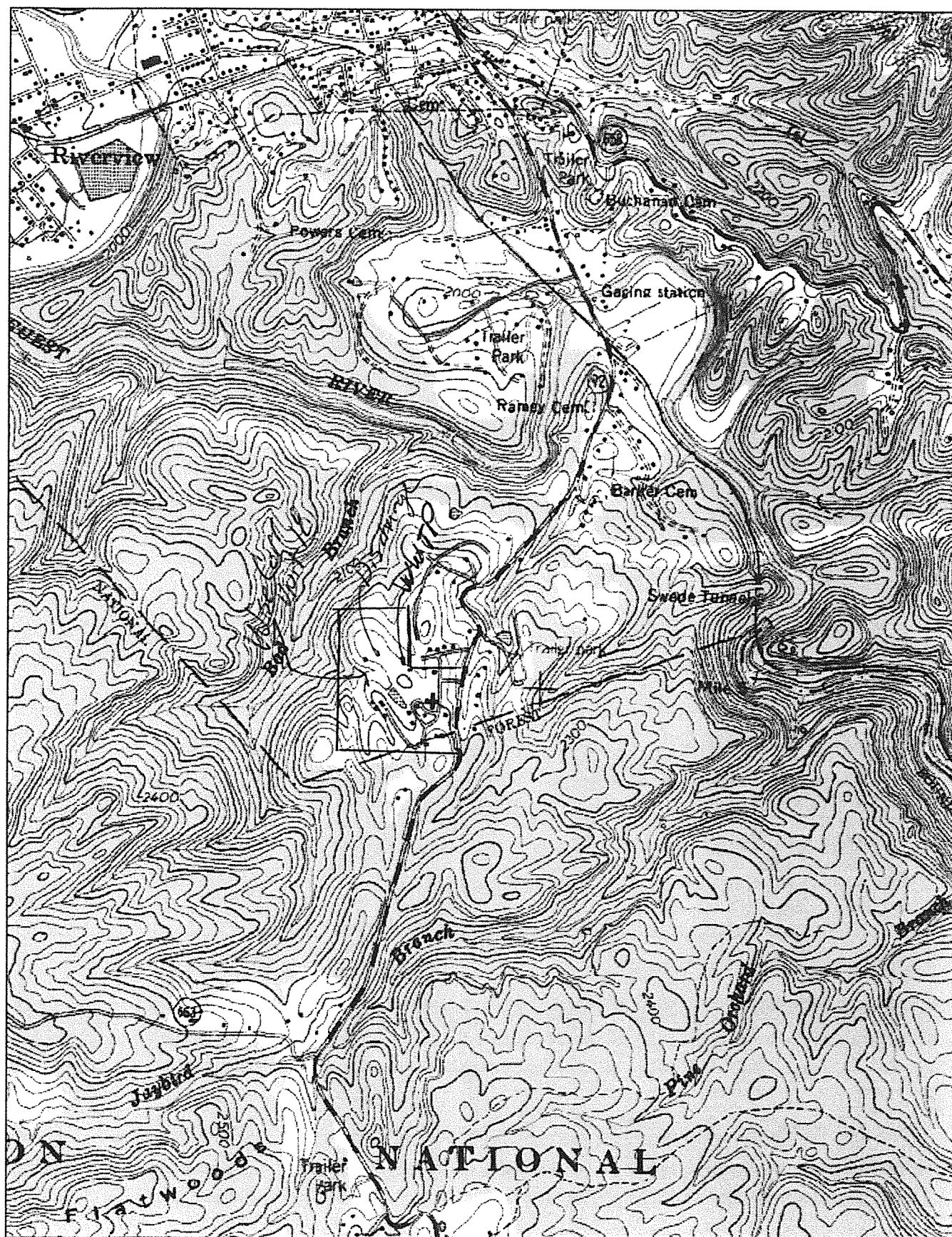
Date signed

1-17-12

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

Randall Hubble  
Envir. Services Manager  
Marion Corr. Treatment Center  
110 Wright St  
Marion, VA 24354  
E-mail: randy.hubble@VADOC.virginia.gov



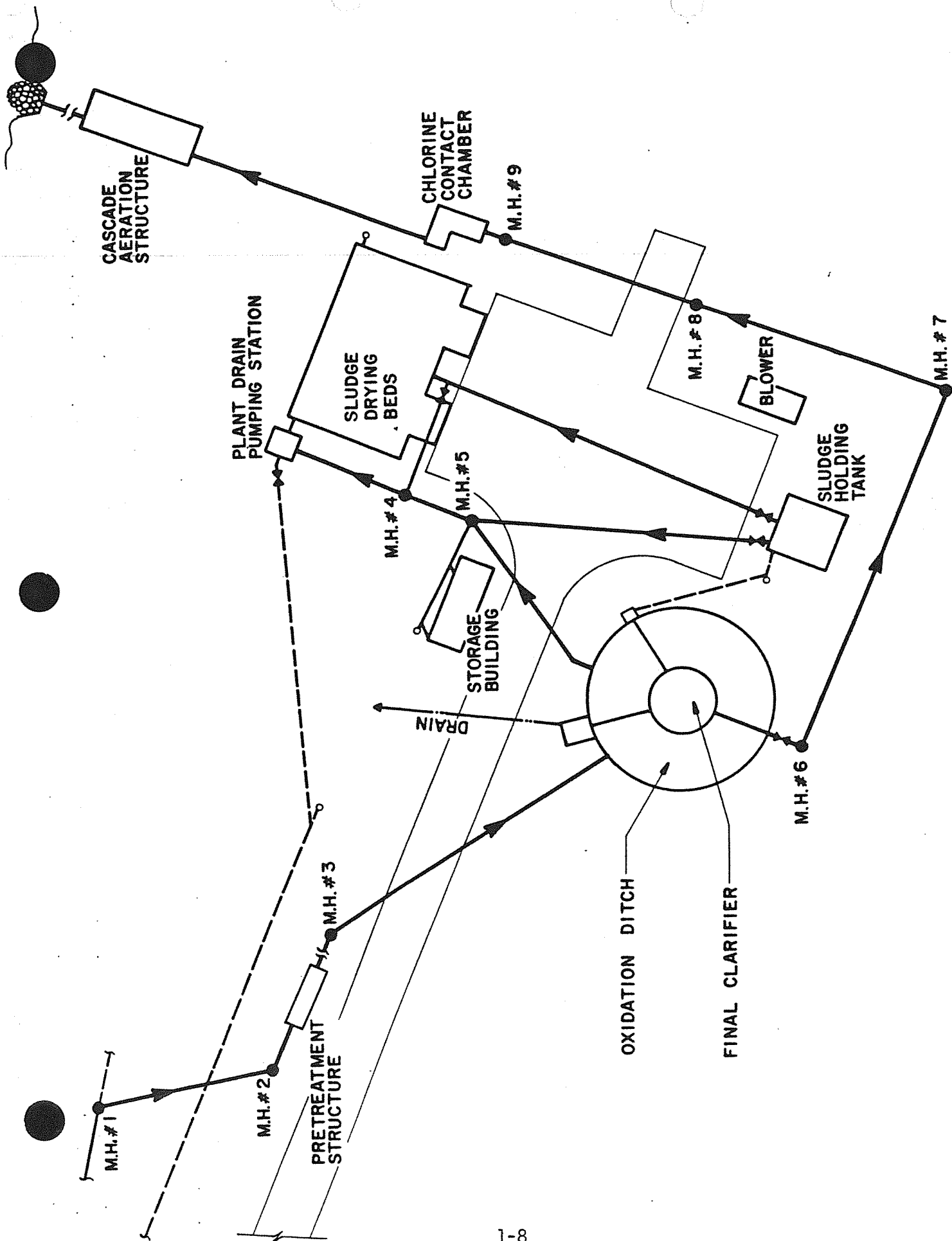


Figure 1-1: Plant Layout

FACILITY NAME Wise Corr. Unit 18  
ATTACHMENT

VPDES PERM. NUMBER VA 6023477

ADDITIONAL INFORMATION REQUIRED  
VIRGINIA DEPARTMENT OF HEALTH  
SHIPMENT OFF-SITE  
OF SEWAGE SLUDGE FOR TREATMENT OR FINAL DISPOSAL

Pump and Haul XVPDES Section B.6.

Complete this section if the sewage sludge is not stabilized at the subject facility and is transported to another sewage treatment works for further treatment and final disposal.

Will the liquid sludge be hauled for further treatment and stabilization in a truck-mounted watertight tank normally used for such purposes?

✓ Yes        No

Show the haul route(s) on a location map or briefly describe the haul route below and indicate the days of the week and times of the day liquid sludge will be transported:

Provide a letter of acceptance from the owner of the receiving facility.

Landfill Codisposal XVPDES Section B.10.

Complete this section if the sewage sludge is transported to a municipal solid waste landfill via public roads.

Will the vehicle bed or other container used to haul dewatered sludge or compost to the landfill be watertight and covered?

       Yes        No

Show the haul route(s) on a map or briefly describe the route below and indicate the days of the week and times of the day dewatered sludge will be transported.

Provide a letter of acceptance from the owner of the receiving facility.

FACILITY NAME: Wise Corr. Inst 18

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VPDES PERMIT NUMBER:

VPDES SEWAGE SLUDGE PERMIT APPLICATION FORM

SCREENING INFORMATION

This application is divided into sections. Sections A pertain to all applicants. The applicability of Sections B, C and D depend on your facility's sewage sludge use or disposal practices. The information provided on this page will help you determine which sections to fill out.

1. All applicants must complete Section A (General Information).

2. Will this facility generate sewage sludge? ☒ Yes ☐ No

Will this facility derive a material from sewage sludge? ☐ Yes ☒ No

If you answered Yes to either, complete Section B (Generation Of Sewage Sludge Or Preparation Of A Material Derived From Sewage Sludge).

3. Will this facility apply sewage sludge to the land? ☐ Yes ☒ No

Will sewage sludge from this facility be applied to the land? ☒ Yes ☐ No

If you answered No to both questions above, skip Section C.

If you answered Yes to either, answer the following three questions:

a. Will the sewage sludge from this facility meet the ceiling concentrations, pollutant concentrations, Class A pathogen reduction requirements and one of the vector attraction reduction requirements 1-8, as identified in the instructions?  
☐ Yes ☒ No

b. Will sewage sludge from this facility be placed in a bag or other container for sale or give-away for application to the land? ☐ Yes ☒ No

c. Will sewage sludge from this facility be sent to another facility for treatment or blending? ☒ Yes ☐ No

If you answered No to all three, complete Section C (Land Application Of Bulk Sewage Sludge).

If you answered Yes to a, b or c, skip Section C.

4. Do you own or operate a surface disposal site? ☐ Yes ☒ No

If Yes, complete Section D (Surface Disposal).

FACILITY NAME:

Wise Corr. Unit 18

VPDES PERMIT NUMBER:

VA 0023477

## SECTION A. GENERAL INFORMATION

All applicants must complete this section.

## 1. Facility Information.

- a. Facility name: Wise Correctional Unit 18
- b. Contact person: Jim Stidham  
Title: Operator  
Phone: ( ) 276-679-9204
- c. Mailing address:  
Street or P.O. Box: P.O. Box 1198  
City or Town: Coeburn State: VA Zip: 24230-1198
- d. Facility location:  
Street or Route #: Highway 72 South  
County: Wise  
City or Town: Coeburn State: VA Zip: 24230-1198
- e. Is this facility a Class I sludge management facility? Yes ☒ No
- f. Facility design flow rate: 0.03 mgd
- g. Total population served: 135
- h. Indicate the type of facility:  
☒ Publicly owned treatment works (POTW)  
☐ Privately owned treatment works  
☐ Federally owned treatment works  
☐ Blending or treatment operation  
☐ Surface disposal site  
☐ Other (describe):

## 2. Applicant Information. If the applicant is different from the above, provide the following:

- a. Applicant name: Envir. Services Unit, Marion Corr. Treatment Center
- b. Mailing address:  
Street or P.O. Box: 110 Wright St  
City or Town: Marion State: VA Zip: 24354
- c. Contact person: Raddall Habbie  
Title: Envir Services Manager  
Phone: ( ) 276-780-2152
- d. Is the applicant the owner or operator (or both) of this facility?  
☒ owner ☒ operator
- e. Should correspondence regarding this permit be directed to the facility or the applicant? (Check one)  
☐ facility ☒ applicant

## 3. Permit Information.

- a. Facility's VPDES permit number (if applicable): VA 0023477
- b. List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices:

Permit Number:

Type of Permit:

4. Indian Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from this facility occur in Indian Country? Yes ☒ No If yes, describe:

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Wibe Corr. Unit 18

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VA 0023477

5. Topographic Map. Provide a topographic map or maps (or other appropriate maps if a topographic map is unavailable) that shows the following information. Maps should include the area one mile beyond all property boundaries of the facility:
- Location of all sewage sludge management facilities, including locations where sewage sludge is generated, stored, treated, or disposed.
  - Location of all wells, springs, and other surface water bodies listed in public records or otherwise known to the applicant within 1/4 mile of the property boundaries.
6. Line Drawing. Provide a line drawing and/or a narrative description that identifies all sewage sludge processes that will be employed during the term of the permit including all processes used for collecting, dewatering, storing, or treating sewage sludge, the destination(s) of all liquids and solids leaving each unit, and all methods used for pathogen reduction and vector attraction reduction.
7. Contractor Information. Are any operational or maintenance aspects of this facility related to sewage sludge generation, treatment, use or disposal the responsibility of a contractor? ☐ Yes ☐ No  
If yes, provide the following for each contractor (attach additional pages if necessary).  
Name:  
Mailing address:  
Street or P.O. Box:  
City or Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_  
Contractor's Federal, State or Local Permit Number(s) applicable to this facility's sewage sludge:
- If the contractor is responsible for the use and/or disposal of the sewage sludge, provide a description of the service to be provided to the applicant and the respective obligations of the applicant and the contractor(s).
8. Pollutant Concentrations. Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants which limits in sewage sludge have been established in 9 VAC 25-31-10 et seq. for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than four and one-half years old.

No Data Available

POLLUTANT	CONCENTRATION (mg/kg dry weight)	SAMPLE DATE	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS
Arsenic				
Cadmium				
Chromium				
Copper				
Lead				
Mercury				
Molybdenum				
Nickel				
Selenium				
Zinc				

9. Certification. Read and submit the following certification statement with this application. Refer to the instructions to determine who is an officer for purposes of this certification. Indicate which parts of the application you have completed and are submitting:

- ☒ Section A (General Information)  
☒ Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)  
☐ Section C (Land Application of Bulk Sewage Sludge)  
☐ Section D (Surface Disposal)

FACILITY NAME:

Wise Corr. Unit 18

VA 0023477  
VPDES PERMIT NUMBER:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title

RANDALL Hubble, Envir. Services Manager

Signature



Date Signed

1-12-12

Telephone number

276-786-2152

Upon request of the department, you must submit any other information necessary to assess sewage sludge use or disposal practices at your facility or identify appropriate permitting requirements.

FACILITY NAME:

Wise Corr. 118

VA 0023477  
VPDES PERMIT NUMBER:

SECTION B. GENERATION OF SEWAGE SLUDGE OR PREPARATION  
OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge

1. Amount Generated On Site.  
Total dry metric tons per 365-day period generated at your facility: 32,180 Liquid yellow dry metric tons
2. Amount Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use or disposal, provide the following information for each facility from which sewage sludge is received. If you receive sewage sludge from more than one facility, attach additional pages as necessary.
  - a. Facility name:
  - b. Contact Person:  
Title:  
Phone ( )
  - c. Mailing address:  
Street or P.O. Box:  
City or Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_
  - d. Facility Address:  
(not P.O. Box)
  - e. Total dry metric tons per 365-day period received from this facility: \_\_\_\_\_ dry metric tons
  - f. Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics:
3. Treatment Provided at Your Facility.
  - a. Which class of pathogen reduction is achieved for the sewage sludge at your facility?  
\_\_\_ Class A \_\_\_ Class B \_\_\_ Neither or unknown
  - b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:
  - c. Which vector attraction reduction option is met for the sewage sludge at your facility?  
\_\_\_ Option 1 (Minimum 38 percent reduction in volatile solids)  
\_\_\_ Option 2 (Anaerobic process, with bench-scale demonstration)  
\_\_\_ Option 3 (Aerobic process, with bench-scale demonstration)  
\_\_\_ Option 4 (Specific oxygen uptake rate for aerobically digested sludge)  
\_\_\_ Option 5 (Aerobic processes plus raised temperature)  
\_\_\_ Option 6 (Raise pH to 12 and retain at 11.5)  
\_\_\_ Option 7 (75 percent solids with no unstabilized solids)  
\_\_\_ Option 8 (90 percent solids with unstabilized solids)  
\_\_\_ None or unknown
  - d. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:
  - e. Describe, on this form or another sheet of paper, any other sewage sludge treatment activities, including blending, not identified in a - d above:
4. Preparation of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements and One of Vector Attraction Reduction Options 1-8 (EQ Sludge).  
(If sewage sludge from your facility does not meet all of these criteria, skip Question 4.)
  - a. Total dry metric tons per 365-day period of sewage sludge subject to this section that is applied to the land:  
\_\_\_\_\_ dry metric tons
  - b. Is sewage sludge subject to this section placed in bags or other containers for sale or give-away?  
\_\_\_ Yes \_\_\_ No

FACILITY NAME:

Wise Cor. Unit 18

VPDES PERMIT NUMBER:

VA 0023477

## 5. Sale or Give-Away in a Bag or Other Container for Application to the Land.

(Complete this question if you place sewage sludge in a bag or other container for sale or give-away prior to land application. Skip this question if sewage sludge is covered in Question 4.)

- a. Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility for sale or give-away for application to the land: \_\_\_\_\_ dry metric tons
- b. Attach, with this application, a copy of all labels or notices that accompany the sewage sludge being sold or given away in a bag or other container for application to the land.

## 6. Shipment Off Site for Treatment or Blending.

(Complete this question if sewage sludge from your facility is sent to another facility that provides treatment or blending. This question does not apply to sewage sludge sent directly to a land application or surface disposal site. Skip this question if the sewage sludge is covered in Questions 4 or 5. If you send sewage sludge to more than one facility, attach additional sheets as necessary.)

- a. Receiving facility name: Town of Richlands
- b. Facility contact: Dave Fields  
Title: Chief Operator  
Phone: ( ) 276-964-2566
- c. Mailing address:  
Street or P.O. Box: 217 Railroad Ave  
City or Town: Richlands State: VA Zip: 24641
- d. Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: 32,180 Liquid gallon  
~~metric tons~~
- e. List, on this form or an attachment, the receiving facility's VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the receiving facility's sewage sludge use or disposal practices:  
Permit Number: \_\_\_\_\_ Type of Permit: \_\_\_\_\_
- f. Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your facility? Yes No  
Which class of pathogen reduction is achieved for the sewage sludge at the receiving facility?  
Class A Class B Neither or unknown  
Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce pathogens in sewage sludge:
- g. Does the receiving facility provide additional treatment to reduce vector attraction characteristics of the sewage sludge? Yes No  
Which vector attraction reduction option is met for the sewage sludge at the receiving facility?  
Option 1 (Minimum 38 percent reduction in volatile solids)  
Option 2 (Anaerobic process, with bench-scale demonstration)  
Option 3 (Aerobic process, with bench-scale demonstration)  
Option 4 (Specific oxygen uptake rate for aerobically digested sludge)  
Option 5 (Aerobic processes plus raised temperature)  
Option 6 (Raise pH to 12 and retain at 11.5)  
Option 7 (75 percent solids with no unstabilized solids)  
Option 8 (90 percent solids with unstabilized solids)  
None unknown  
Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce vector attraction properties of sewage sludge:
- h. Does the receiving facility provide any additional treatment or blending not identified in f or g above?  
Yes No  
If yes, describe, on this form or another sheet of paper, the treatment processes not identified in f or g above:
- i. If you answered yes to f., g or h above, attach a copy of any information you provide to the receiving facility to comply with the "notice and necessary information" requirement of 9 VAC 25-31-530.G. Samples taken at Receiving Facility

FACILITY NAME: \_\_\_\_\_

VA 0023477  
VPDES PERMIT NUMBER: \_\_\_\_\_

- j Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or give-away for application to the land? ☐ Yes ☐ No  
If yes, provide a copy of all labels or notices that accompany the product being sold or given away.
- k Will the sewage sludge be transported to the receiving facility in a truck-mounted watertight tank normally used for such purposes? ☒ Yes ☐ No. If no, provide description and specification on the vehicle used to transport the sewage sludge to the receiving facility.  
Show the haul route(s) on a location map or briefly describe the haul route below and indicate the days of the week and the times of the day sewage sludge will be transported. *Monday - Friday 8:00 am to 4:00 pm*

7. Land Application of Bulk Sewage Sludge.

(Complete Question 7.a if sewage sludge from your facility is applied to the land, unless the sewage sludge is covered in Questions 4, 5 or 6; complete Question 7.b, c & d only if you are responsible for land application of sewage sludge.)

- a. Total dry metric tons per 365-day period of sewage sludge applied to all land application sites: \_\_\_\_\_ dry metric tons
- b. Do you identify all land application sites in Section C of this application? ☐ Yes ☐ No  
If no, submit a copy of the Land Application Plan (LAP) with this application (LAP should be prepared in accordance with the instructions).
- c. Are any land application sites located in States other than Virginia? ☐ Yes ☐ No  
If yes, describe, on this form or on another sheet of paper, how you notify the permitting authority for the States where the land application sites are located. Provide a copy of the notification.
- d. Attach a copy of any information you provide to the owner or lease holder of the land application sites to comply with the "notice and necessary" information requirement of 9 VAC 25-31-530 F and/or H (Examples may be obtained in Appendix IV).

8. Surface Disposal.

(Complete Question 8 if sewage sludge from your facility is placed on a surface disposal site.)

- a. Total dry metric tons per 365-day period of sewage sludge from your facility placed on all surface disposal sites: \_\_\_\_\_ dry metric tons
- b. Do you own or operate all surface disposal sites to which you send sewage sludge for disposal?  
☐ Yes ☐ No  
If no, answer questions c - g for each surface disposal site that you do not own or operate. If you send sewage sludge to more than one surface disposal site, attach additional pages as necessary.
- c. Site name or number:
- d. Contact person:  
Title:  
Phone: (    )  
Contact is: ☐ Site Owner ☐ Site operator
- e. Mailing address.  
Street or P.O. Box:  
City or Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_
- f. Total dry metric tons per 365-day period of sewage sludge from your facility placed on this surface disposal site: \_\_\_\_\_ dry metric tons
- g. List, on this form or an attachment, the surface disposal site VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the sewage sludge use or disposal practices at the surface disposal site:  
Permit Number: \_\_\_\_\_ Type of Permit: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Incineration.

(Complete Question 9 if sewage sludge from your facility is fired in a sewage sludge incinerator.)

- a. Total dry metric tons per 365-day period of sewage sludge from your facility fired in a sewage sludge incinerator: \_\_\_\_\_ dry metric tons

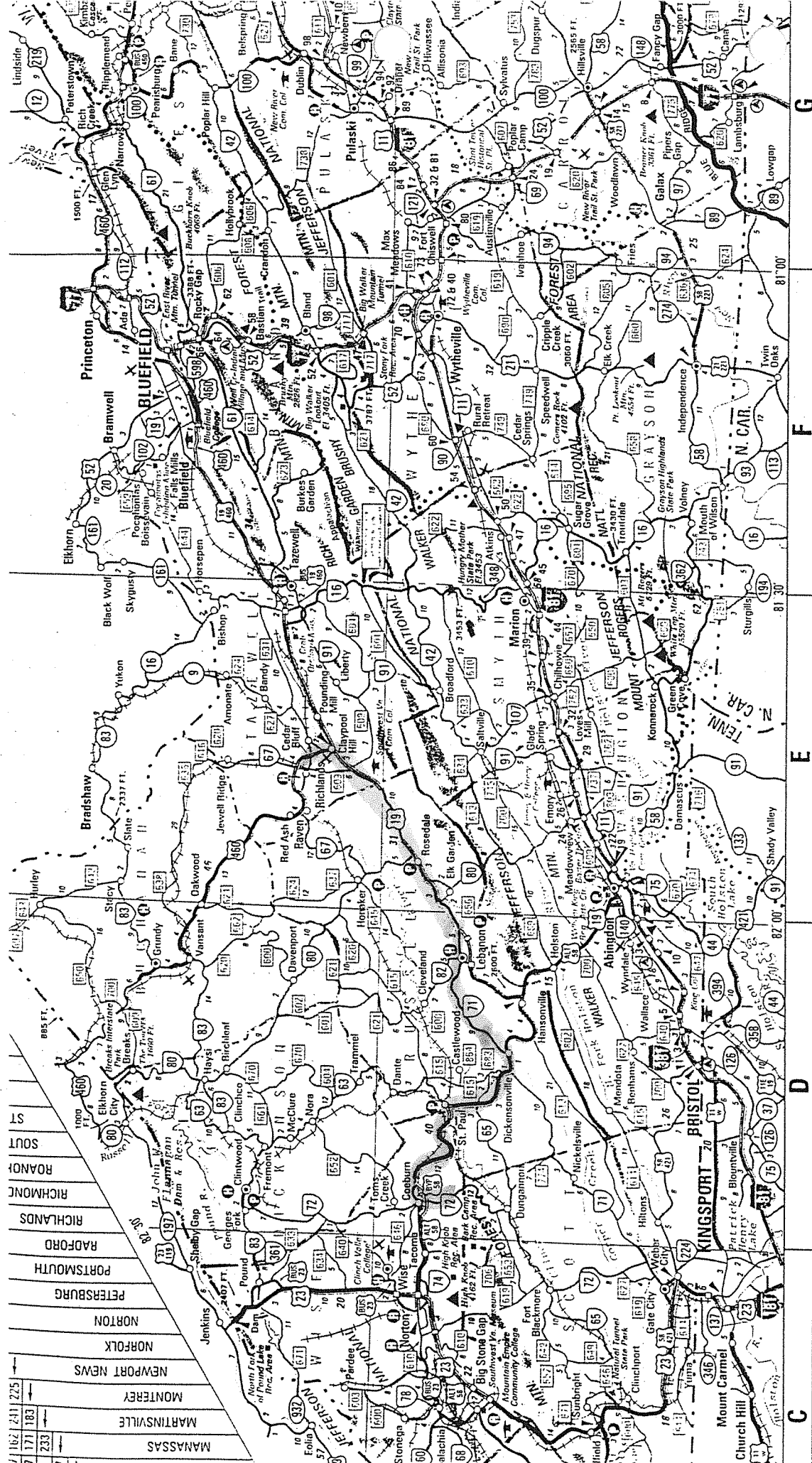
FACILITY NAME: \_\_\_\_\_

- b. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired?  
 \_\_\_ Yes \_\_\_ No  
 If no, answer questions c - g for each sewage sludge incinerator that you do not own or operate. If you send sewage sludge to more than one sewage sludge incinerator, attach additional pages as necessary.
- c. Incinerator name or number: \_\_\_\_\_
- d. Contact person: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Phone: (    ) \_\_\_\_\_  
 Contact is: \_\_\_ Incinerator Owner \_\_\_ Incinerator Operator
- e. Mailing address. \_\_\_\_\_  
 Street or P.O. Box: \_\_\_\_\_  
 City or Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_
- f. Total dry metric tons per 365-day period of sewage sludge from your facility fired in this sewage sludge incinerator: \_\_\_\_\_ dry metric tons
- g. List on this form or an attachment the numbers of all other federal, state or local permits that regulate the firing of sewage sludge at this incinerator:  
Permit Number: \_\_\_\_\_ Type of Permit: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

10. Disposal in a Municipal Solid Waste Landfill.

(Complete Question 10 if sewage sludge from your facility is placed on a municipal solid waste landfill. Provide the following information for each municipal solid waste landfill on which sewage sludge from your facility is placed. If sewage sludge is placed on more than one municipal solid waste landfill, attach additional pages as necessary.)

- a. Landfill name: \_\_\_\_\_
- b. Contact person: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Phone: (    ) \_\_\_\_\_  
 Contact is: \_\_\_ Landfill Owner \_\_\_ Landfill Operator
- c. Mailing address. \_\_\_\_\_  
 Street or P.O. Box: \_\_\_\_\_  
 City or Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_
- d. Landfill location. \_\_\_\_\_  
 Street or Route #: \_\_\_\_\_  
 County: \_\_\_\_\_  
 City or Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_
- e. Total dry metric tons per 365-day period of sewage sludge placed in this municipal solid waste landfill: \_\_\_\_\_ dry metric tons
- f. List, on this form or an attachment, the numbers of all federal, state or local permits that regulate the operation of this municipal solid waste landfill:  
Permit Number: \_\_\_\_\_ Type of Permit: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- g. Does sewage sludge meet applicable requirements in the Virginia Solid Waste Management Regulation, 9 VAC 20-80-10 et seq., concerning the quality of materials disposed in a municipal solid waste landfill?  
 \_\_\_ Yes \_\_\_ No
- h. Does the municipal solid waste landfill comply with all applicable criteria set forth in the Virginia Solid Waste Management Regulation, 9 VAC 20-80-10 et seq.? \_\_\_ Yes \_\_\_ No
- i. Will the vehicle bed or other container used to transport sewage sludge to the municipal solid waste landfill be watertight and covered? \_\_\_ Yes \_\_\_ No  
 Show the haul route(s) on a location map or briefly describe the route below and indicate the days of the week and time of the day sewage sludge will be transported.



Travel Route: Sludge Hauling  
 Wise Corr. Unit 18  
 to  
 Richlands Wastewater Treatment  
 Facility.

Scale  
 1" = 13 miles  
 N → S